

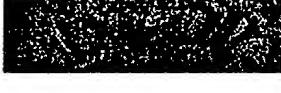
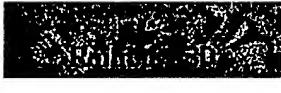
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Genex Technologies, Inc.

**Leader in 3D Imaging/Display and Information
Technologies**



OmniEye™

- The Real-Time Solution to Security and Surveillance Systems

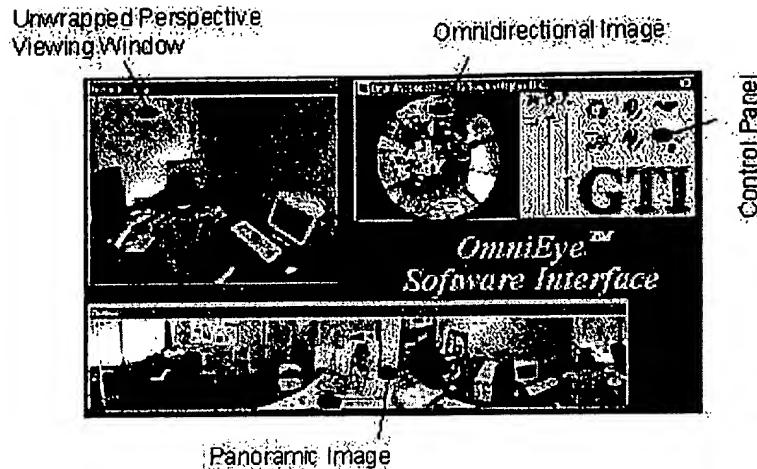


Overview:

Ordinary cameras have relatively small viewing angles. To monitor a panoramic surrounding scene, multiple cameras or a camera with a pan/tilt platform must be used. These systems are complex, expensive, unreliable, and simultaneous coverage of 360° surrounding scene is difficult. For security monitoring and area surveillance applications, these inherent incongruities greatly limit the effectiveness of intrusion detection and situation management.

Our unique OmniEye™ camera system captures video images with a 360° (hemispherical) viewing angle without any moving element, and offers a simple, elegant, and low-cost solution to real-time security and surveillance systems. The OmniEye can be used for sensitive facilities, educational institute, government, corporate, financial, retail, airport, transportation, gaming, sporting event, and other applications.

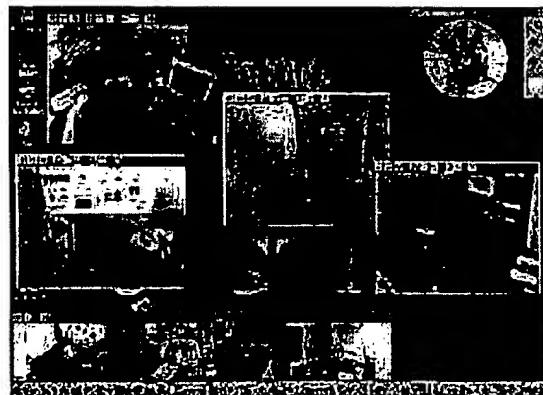
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Key Benefits

The OmniEye™ system comprises of a sensor unit, a frame grabber, and the unique image processing/GUI (graphics user interface) software.

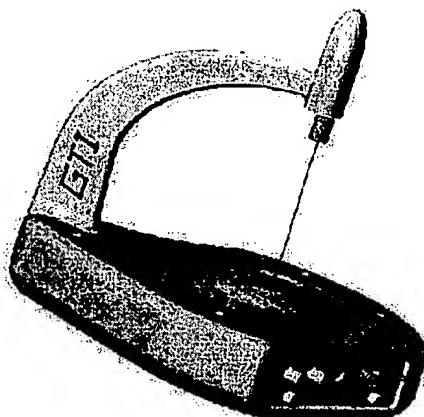
- Patented design offering simultaneous 360° viewing capability with no pan/tilt or any moving parts
- Real-time unwrapping of the omnidirectional image into up to 16 viewing windows with no image distortion
- Flexible software allowing individual control of each windows
- Internet server providing remote surveillance at low cost
- Up to 24 hours archived image sequences for records
- Developer Kit with C++ library, DLLs, and Direct X for customized applications



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Sample Applications of the OmniEye

- Security: Area Surveillance, Intrusion Detection, Situation Management
- Teleconferencing: Simultaneous Transfer Multiple Speaker Images
- Internet: Interactive Immersive Environments, 3D Surfing
- Vehicle: Navigation and Obstacle Avoidance, Safety Alarm
- Medical Applications: Healthcare Monitoring, Telemedicine, Endoscopes
- Industrial Inspection: Pipe line, Engine, Machinery Maintenance, etc.



System Specifications

Resolution: 640 by 480 pixels for the omnidirectional images. 640 by 480, 320 by 240, or 160 by 120 for digitally unwrapped image windows. Resolution: 640 by 480 pixels for the omnidirectional images. 640 by 480, 320 by 240, or 160 by 120 for digitally unwrapped image windows. Resolution: 640 by 480 pixels for the omnidirectional images. 640 by 480, 320 by 240, or 160 by 120 for digitally unwrapped image windows. Resolution: 640 by 480 pixels for the omnidirectional images. 640 by 480, 320 by 240, or 160 by 120 for digitally unwrapped image windows.

Frame rate: 30 frames per second (fps) for omnidirectional images, up to 15 fps for unwrapped images. Frame rate: 30 frames per second (fps) for omnidirectional images, up to 15 fps for unwrapped images. Frame rate: 30 frames per second (fps) for omnidirectional

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images, up to 15 fps for unwrapped images. Frame rate: 30 frames per second (fps) for omnidirectional images, up to 15 fps for unwrapped images.

Field of View (FOV): 360° by 180° (hemispherical). Field of View (FOV): 360° by 180° (hemispherical).

Number of Viewing Windows: Up to 16 viewing windows can be opened by a user, with arbitrary sizes and viewing directions (i.e., digital zoom, pan, and tilt). Number of Viewing Windows: Up to 16 viewing windows can be opened by a user, with arbitrary sizes and viewing directions (i.e., digital zoom, pan, and tilt). Number of Viewing Windows: Up to 16 viewing windows can be opened by a user, with arbitrary sizes and viewing directions (i.e., digital zoom, pan, and tilt). Number of Viewing Windows: Up to 16 viewing windows can be opened by a user, with arbitrary sizes and viewing directions (i.e., digital zoom, pan, and tilt).

Software platform: PC Computer with WINDOWS 95, 98/NT OS. Software platform: PC Computer with WINDOWS 95, 98/NT OS. Software platform: PC Computer with WINDOWS 95, 98/NT OS. Software platform: PC Computer with WINDOWS 95, 98/NT OS.

Image format: Tiff, JPEG, RAW. Image format: Tiff, JPEG, RAW.

Call for Promotional Price

The system includes a sensor unit, a frame grabber, and a license of the OmniEye software for a host PC Computer w/ Window 95, 98 or NT Operating System.

Demo Software:

Download Demo Software with Still Image: [Download Now!](#)

Download Video Image File for the Demo: [Download Now!](#)

Literature:

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Download Detailed Literature: [Download Now!](#)

For further information, please send an email to:
sales@genextech.com

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Send mail to info@genextech.com with questions or comments about this web site.

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